



CSIR-CBRI
12TH FIVE YEAR PLAN
LARGE MISSION PROJECT

TITLE: CLEAN WATER: SUSTAINABLE OPTIONS

Activity Title: Removal of heavy metals from waste water using fly ash/zeolite and their subsequent use in the production of value added building components

ACRONYM: Rem-HMW

CATEGORY: A+

NEED:

- Decontamination of waste water to reduce scarcity of water.
- To use industrial waste for water treatment.
- Use of altered sludge for preparation of value added building products.

DELIVERABLES:

- Process know how for conversion of fly ash to zeolite by cost effective method
- Design methodology of compact heavy metals removal unit for the use of industrial/domestic level.
- Value added building products from altered sludge.

NODAL LABORATORY: CSIR-NEERI

PARTICIPATING LABORATORIES: CSIR-CBRI & others

PARTICIPATING SCIENTISTS: 4 (From CSIR-CBRI)